August 31, 2013
Version 1.0

# NuMI-X
# Rules and the *Modus Operandi*

## 1) NuMI-X mission

**i)** NuMI-X is a consortium comprising Fermilab neutrino experiments collaborating on the modeling of NuMI beam. Its goal is to develop and maintain the best knowledge about NuMI neutrino fluxes relevant to all NuMI experiments. This knowledge is to be captured in developed codes and flux *ntuples*, or other appropriate forms (generically further referred to as `products'), which will be publicly released for the benefit of all interested in this information.

**ii)** The consortium includes **MINOS, MINOS+, MINERvA, NOvA, ArgoNeuT**, **MicroBooNE**. The NuMI-X Consortium Advisory Group may incorporate other experiments in the future.

## 2) NuMI-X Groups

### a) NuMI-X Consortium Advisory Group (NuXAG)

**i)** The NuMI-X Consortium Advisory Group sets strategic directions and priorities for NuMI-X. It specifies deliverables of the NuMI-X effort and recommends them for a public release.

**ii)** It comprises **one** representative from each consortium experiment and Fermilab. Members are nominated by each collaborating party and have unlimited access to the NuMI-X data, code, and results but will keep them confidential by rules specified below.

**iii)** NuXAG approves and may revise *the NuMI-X Rules and the Modus Operandi* by unanimous agreement.

### b) NuMI-X Consortium Core Group (NuXCo)

**i)** The NuMI-X Consortium Core Group comprises collaborators from all consortium experiments and Fermilab.

**ii)** NuXCo is responsible for carrying out work to accomplish goals of the Consortium. It produces NuMI-X deliverables and recommends them for a public release on the basis of Position Papers that describe details of analysis.

**iii)** NuXAG approves the NuXCo membership. Members of NuXCo have unlimited access to the NuMI-X data, code, and results but will keep them confidential by rules specified below.

## 3) Data, code, and information access and sharing

**i)** Collaborating experiments agree to unlimited use of data, code, notes, and documents released to NuMI-X and essential for its mission.

**ii)** NuMI-X public area and information will be managed under a dedicated Redmine site

**iii)** Consortium data will reside in the restricted disk space; Monte Carlo files generated by NuMI-X, and code developed by NuMI-X will have restricted svn access available only to NuMI-X.

**iv)** All documents and notes will be stored in a dedicated DocDB with an access restricted only to the NuMI-X groups.

**v)** Any public use or dissemination of unpublished or not yet publically released NuMI-X products and/or resources must be approved by NuXAG.

**vi)** All NuMI beam line instrumentation data are collectively shared by all experiments and are free to be used by NuMI-X.

## 4) Approval of public results and code releases

**i)** Public release of any product of NuMI-X will have to be approved unanimously by those members of NuXAG whose experiment contributed unpublished data to the product.

**ii)** Approval will be based on Position Papers that will be made available to collaborating experiments for at least a period of one-month.

**iii)** NuXAG members will cast their vote as instructed by their respective experiments.

## 5) Acknowledgments in Publications

**i)** Publications that use NuMI-X products will cite either the relevant publications or will include an explicit acknowledgment of the effort of the NuMI-X groups.

**ii)** The specific language of this acknowledgement will be proposed later.

## 6) Record of revisions of this document

1. These rules were originally approved on August 31, 2013.